

**ELECTRICAL DEVICES EMPLOYING  
MOLTEN COMPOSITIONS OF BIOMOLECULES**

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**Abstract of the Disclosure**

Compositions of biomolecules such as nucleic acids that form molten salts are provided. These compositions molten compositions that have useful electrical properties. Such compositions include a salt of (i) an organic polymer ion such as a polynucleic acid anion, and (ii) a polyether or polysiloxane couterion. Methods of making and using such compositions, along with electrical devices such as memory devices, are also provided.

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